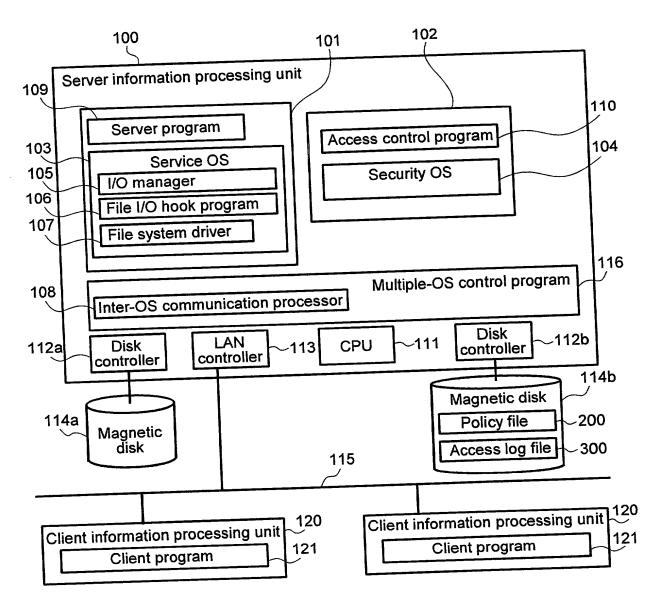
FIG.1



100: Server information processing unit

120: Client information processing unit

101: Memory under the control of service OS

102: Memory nuder the control of security OS

	200	201	202		203 204	205	206
	Obje	Object name	Prohibited access type	Error	Exception subject	Program hash value	User name
210			Open	0016	C:¥prog¥wordedit.exe	C:¥prog¥wordedit.exe Ox22FOA412B73209CC	sys_admin
)	D: * DOC *	D: ¥ DOC ¥ SECRET.TXT	Delete	0021	C:¥prog¥fileman.exe	Ox73209C2FOA212B4C	sys_admin
211			Write	0018	C:¥prog¥mantool.exe OxB74122209FDE236C	OxB74122209FDE236C	sys_admin
,	Į SYS≱;Ω	D: #SYS #CONFIG #*	Delete	0021	C:¥prog¥mantool.exe OxB74122209FDE236C	OxB74122209FDE236C	sys_admin
T							
212	80 I * .□	1XT 50 1×50 1×.0	Read	0015	C:¥prog¥audit.exe C:¥prog¥vek.exe	Ox2F21204B73C09A2C OxFOA271243B9C202C	root, system
) 		Rename	0024	C:¥prog¥audit.exe	Ox2F21204B73C09A2C	root

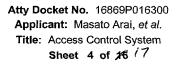
200: Policy file

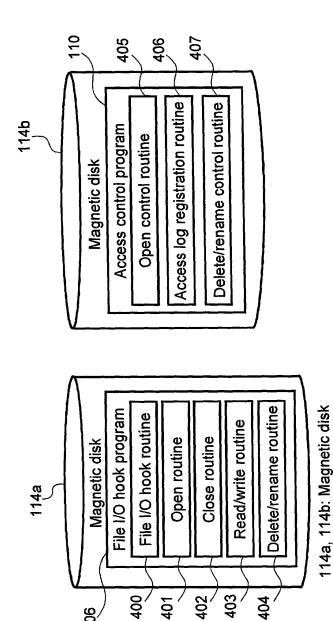
Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 3 of 16 17

300	302	303	304	305
Date/time	Object name	Access type	Subject name	User name
1999.07.28 15:32:46	1999.07.28 15:32:46 D: ¥DOC ¥ SECRET.TXT	Write	C:¥prog¥wwwsrv.exe	u_0023
1999.07.27 09:15:10	1999.07.27 09:15:10 D: ¥ DOC ¥ SECRET.TXT	Delete	C: ¥ prog ¥ wwwsrv.exe	u_0023
1999.07.25 16:02:5	1999.07.25 16:02:55 D: ¥ SYS ¥ CONFIG ¥	Write	C:¥prog¥txtedit.exe	intruder
1999.07.25 14:44:28	1999.07.25 14:44:28 D:¥SYS¥CONFIG¥	Delete	C:¥prog¥fileman.exe	intruder
1999.07.25 14:42:58	1999.07.25 14:42:59 D:¥LOG¥LOG.TXT	Read	C:¥prog¥txtedit.exe	user007
1999.07.16 10:29:3	1999.07.16 10:29:31 D:¥LOG¥LOG.TXT	Delete	C:¥prog¥fileman.exe	user007

300: Access log file

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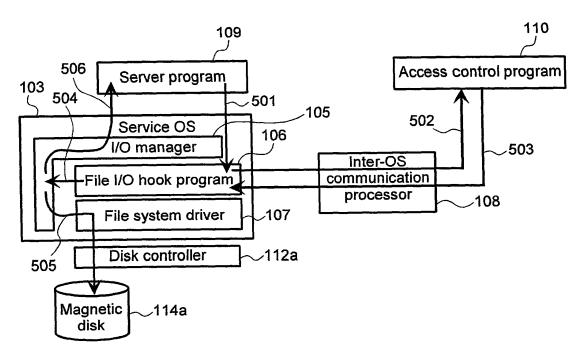
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Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 5 of 16 17

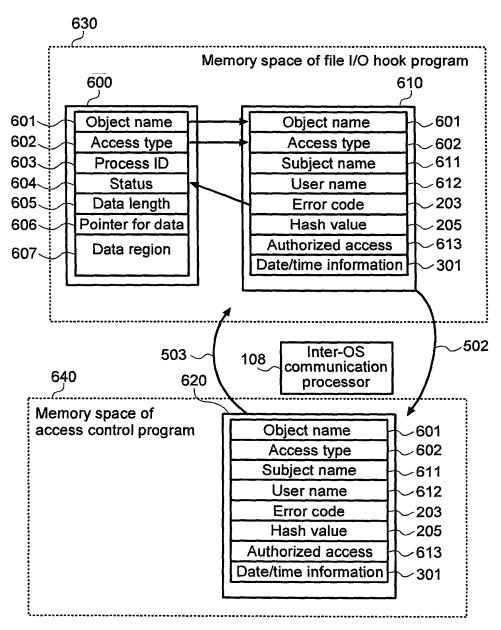
FIG.5



501~506: Communication routes

Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 6 of 16 /7

FIG.6



600: I/O packet

630: Memory space of file I/O hook program

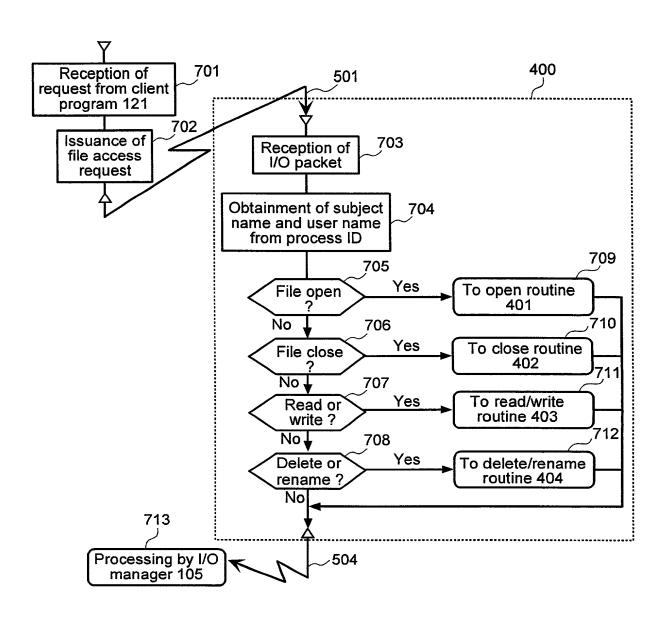
610: Request packet

640: Memory space of access control program

620: Response packet

Atty Docket No. 16869P016300 Applicant: Masato Arai, et al. Title: Access Control System Sheet 7 of 16 17

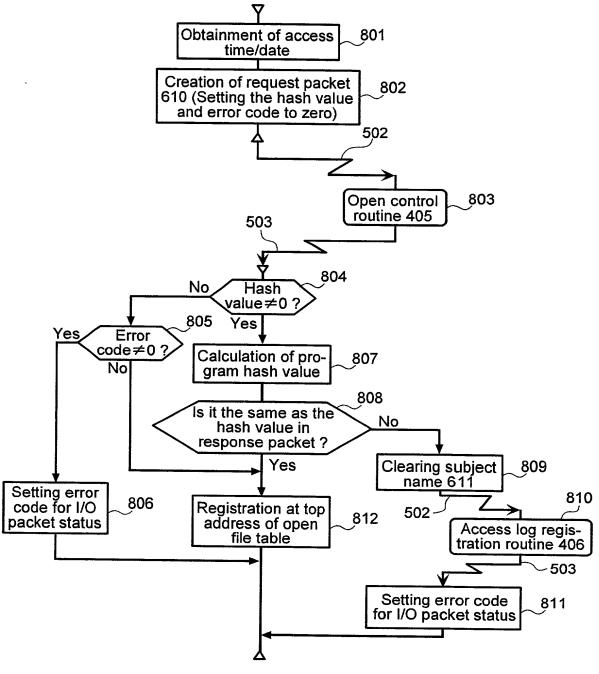
FIG.7



701~702: An outline of the processing sequence for the server program 109

703~712: Processing sequence for the file I/O hook routine 400

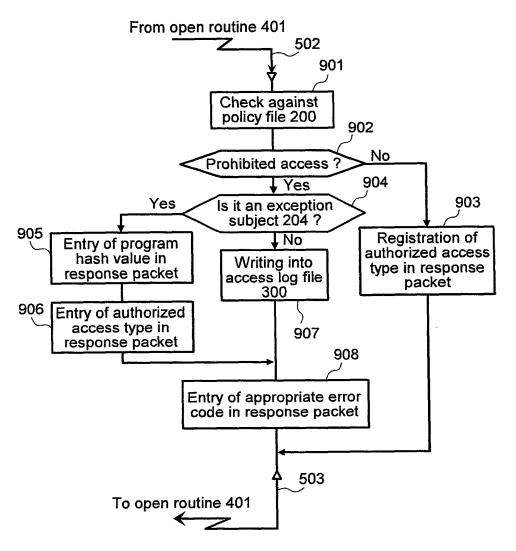
Applicant: Masato Arai, et al.



801~812: Processing sequence for the open routine

Atty Docket No. 16869P016300 Applicant: Masato Arai, et al. Title: Access Control System

Sheet 9 of 16 17



901~908: Processing sequence for the open control routine 405

Applicant: Masato Arai, et al. Title: Access Control System Sheet 10 of 16 17

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1002: Open file structured data 1000: Open file table

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Atty Docket No. 16869P016300 Applicant: Masato Arai, et al. Title: Access Control System
Sheet 11 of 16 17

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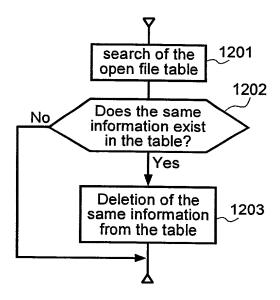
1000 603	611	612	601	613
Process ID	Subject name	User name	Object name	Authorized access type
0022	c:¥prog¥wwwserv.exe	inet	D:*HOME*SALES.HTML	Read
0043	c:¥prog¥wordedit.exe	sec_admin	sec_admin D:\DOC\SECRET.TXT	Read/Write
0067	c:\prog\viewer.exe	tarou	D:\DOC\DEA.TXT	Read
0092	c:¥prog¥mantool.exe	sys_admin	sys_admin D:\SYS\CONFIG\PORT	Read/Write
0113	c:\prog\veck.exe	system	D:#DOC#SHEET.DOC	Read
0218	c:\prog\prog\prog	root	D:#LOG#LOG.TXT	Read/Write

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Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 12 of 18 /7

FIG.12



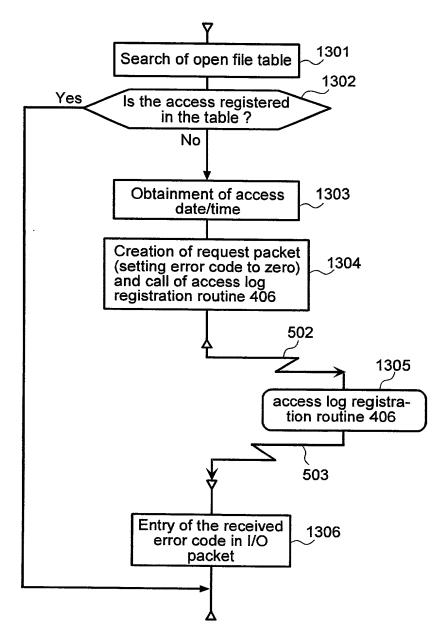
1201~1203: Processing sequence for the close routine 402

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Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 13 of 46/7

FIG.13



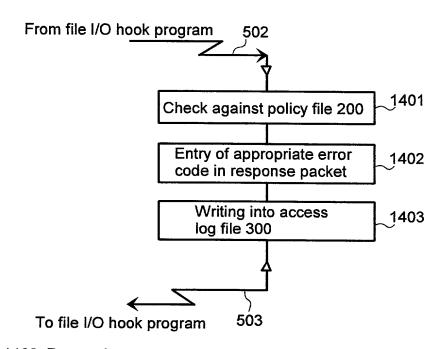
1301~1306: Processing sequence for the read/write routine 403

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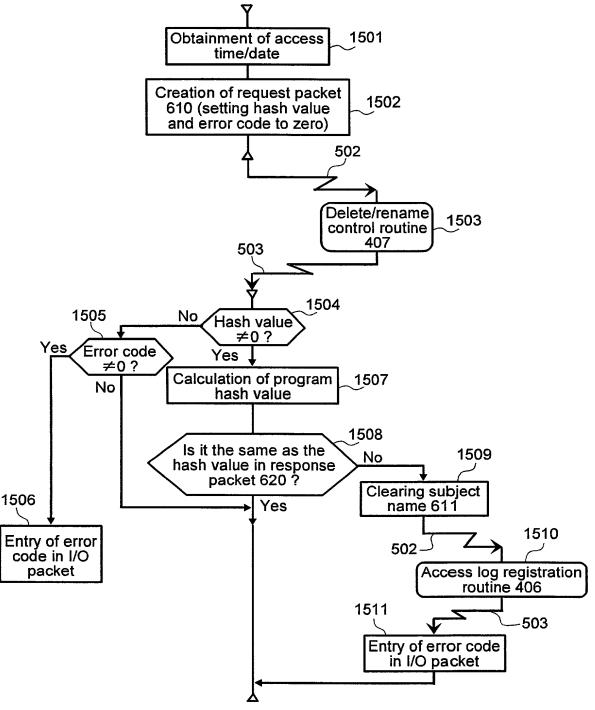
Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 14 of 16 17

FIG.14



1401~1403: Processing sequence for the access log registration routine 406

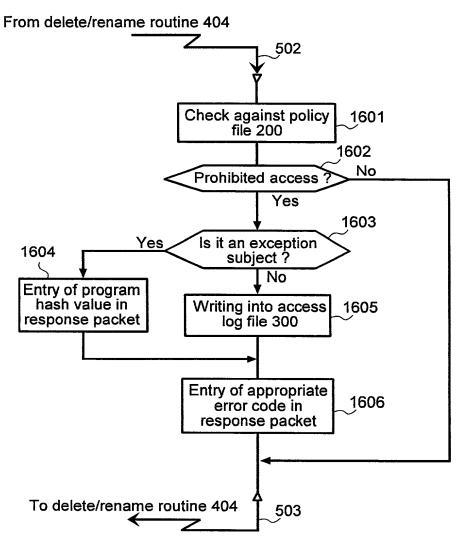
Atty Docket No. 16869P016300 Applicant: Masato Arai, et al. Title: Access Control System Sheet 15 of 46 17



1501~1511: Processing sequence for the delete/rename routine 404

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Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 16 of 16



1601~1605: Processing sequence for the delete/rename control routine 407

Atty Docket No. 16869P016300
Applicant: Masato Arai, et al.
Title: Access Control System
Sheet 16 of 16

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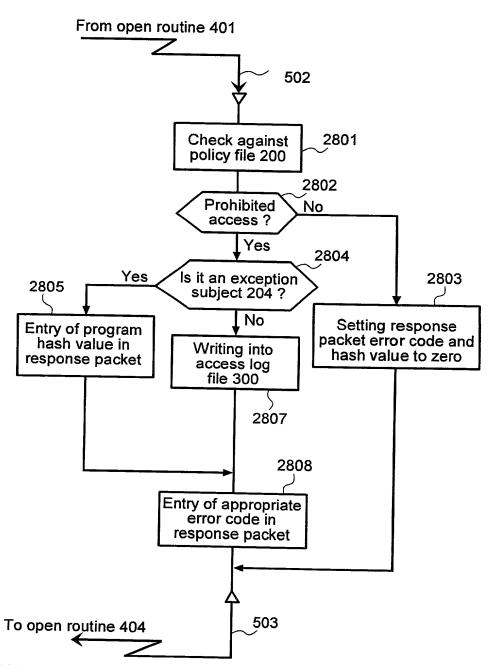
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FIG.17



2801~2808: Processing sequence for the open control routine 405